Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Job Code Number: 004-18-000010 Budget Head :

No 2nd & Final bill Date: Est Cost: 200.00 Lacs

Division Project

Bill Received No. .....Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No.

Name of Work (as per sanctioned estimate) **Construction of compound wall and other development Works to Dr.B.R.Ambedkar Bhavan in Ward No.04 at Yelahanka**

Name of Contractor and Full Address: **Sri. H.V. Onkarappa , Bangalore**

Reference to Agreement No.**EE(Project)/YNK Zone/AG/120/2017-18 Dated: 06-02-2018**

Certified that the measurement were taken by me on 27/03/2018 and recorded of pages **137467 to 137483** of measurement Book No 90/2009-10 nd that the work is satisfactorily executed.

Contractor

Officer-In-Charge of work

Certified that the measurements were taken by me on 27.03.2018 And found correct. the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Sub-Division Officer

if Memorandum of Payment	
1) Total value of work done or supplies made as per account within	Total Rs: 2.16,73,863-00
2) Deduct amount to be held in reserve being.....percent Rs.....	
3) Deduct amount to be held in Balance	
4) Deduct Payments:	
a) Amount of previous payment as in the office Cash Book Voucher	Intg part Bill Rs: 192 40 343-00
No.....Dated .....S.D No.....	Ind final Rs: 24,33,520-00
Amount adjusted towards cash advance recovery of	
b) Payments cost store or other materials supplied	IT - 24335-00
Now made recovery of amount creditable to this/other work	CESS - 24335-00
Amount paid on this bill Cheque/Cash	CBT - 2434-00
5) Balance being unpaid value of work done held in reserve	LR - 31879-00
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments	
7) Net amount due to or from contractor Unadjusted items	Adjn. 82983-00
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	Cheque 23,50,537-00

Contractor's Signature

Received Rs.....(in words)

.....

by cash and by adjustment of Payment as per memorandum.

Witnesses:

1

2

Dated..... Signature of Contractor

Stamp

(For use in the Office)

Audited & Admitted for Rs......
Rs: 24,33,520-00

Rs: 23,50,537-00 by Cheque
and Rs. 82983-00 by Adjustment

Paid by me by cheque No.....dated.....

Cast Rs.....dated.....

Accts. Supdt.
Project Division
B.B.M.P

Executive Engineer
B.B.M.P

27/3

Initials of Officer making payment

27/03

Item no	Description of work	Unit	App. Qty
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortarand as per the direction of engineer in charge of work	Sqm	122
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding whereverнecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.Rubble stone masonry in cement mortarand as per the direction of engineer in charge of work	Cum	36.6
3	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification.and as per the direction of engineer in charge of work	Cum	76.86
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specificationand as per the direction of engineer in charge of work	Cum	715.44
5	Providing laying spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by topper to site, laying in uniform layers with paver in sub - base / base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications and as per the direction of engineer in charge of work	Cum	476.96
6	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the direction of engineer in charge of work	Cum	364.58
7	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing completeas per specifications and as per the direction of engineer in charge of work	Cum	27.45
8	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,edges of stone chistei dressed in courses not less than 15 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing completeas per specificationsand as per the direction of engineer in charge of work	Cum	13.66
9	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of	Cum	2.75
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. and as per the direction of engineer in charge of work	Sqm	12.2

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
122.00	35364.14		289.87		122.00	35364.14
36.60	10614.00		290.00		36.60	10614.00
75.08	25227.72		336.00		75.08	25227.72
715.32	186698.52		261.00		715.32	186698.52
476.86	945136.52		1982.0		476.86	945136.52
364.28	2183494.32		5994.0		364.28	2183494.32
27.27	135640.98		4974.0		27.27	135640.98
13.65	81149- 81173.77		5945.0		13.65	81149- 81173.77
2.74	18025.90		6583.0		2.74	18025.90
12.17	4235.16		348.0		12.17	4235.16

Item no	Description of work	Unit	App. Qty
11	Providing and fixing for flooring 20mm thick gang saw water cut sadarahalli grey granite in CM 1:4 proprtion, cut to required shape pattern with paper joints,finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealent,grooves in joints including cost of all materials, labour complete as per specificaiton.(Minium width of 1200mm) and as per the direction of engineer in charge of work	Sqm	100.65
12	Fabrication providing and erecting in position Hot dip galvanised Gate Using 72x72x48mm Sq GI Pipe frame with top pipe bending in heavy duty hydralic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised Sq. road for verticles at 150mm c/c as shown in the drawing including providing hot dip galvanised forged ornamental design in between Sq.rods and heads at top, middle and bottom, intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanised flats. The Work is inclusive of throughing GI, flat Sq, rods, placing, welding all the joins including grinding, finishing metal patty, painting two coats enamel painiting. the rate is inclusive of all materials like GI Sq Pipe, GI forged designs etc., heavy duty hingers are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-Charge opf the Work (DATA RATE copy is enclosed) and as per the direction of engineer in charge of work	Sqm	32.32
13	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including	Sqm	101.2
14	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mmand down size graded granite metal coarse aggregates @0.47 cum with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thick ness) including attached plasters,columns,pillars,posts,struts.butters,string or lacing courses,parapets,coping,bed blocks,anchor blocks,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and as per the direction of engineer in charge of work	Cum	465.96
15	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and as per the direction of engineer in charge of work	Kg	504
16	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.7Smm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.2Smm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.2Smm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing S.Smm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenon ned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar. -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior	Sqm	24

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
100.64	237498.60		2360.0		100.64	237498.60
32.32	443495.04		13722.0		32.32	443495.04
101.20	1017829.37		10058.0		101.20	1017829.37
465.82	3523462.48		7564.0		465.82	3523462.48
466.83	43415.19		93.0		466.83	43415.19
22.23	110416.41		4967.0		22.23	110416.41

Item no	Description of work	Unit	Ap
17	Providing and fixing M.S grill over existing compound wall as per using 16mm x16mm M.N.flat at horizontal and 6mm x 12mm M.S.flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. all the steel surface should be thoroughly cleaned of rust and painted with anti corrosive paint(shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and as per the direction of engineer in charge of work	Sqm	
18	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the direction of engineer in charge of work	Tonne	1
19	Providing and fixing Pre cast solid concrete kerb stones made out of CC1:2:4 and finished with CM 1:3 plastering and finishing curing etc., complete size 450x200x400mm and as per the direction of engineer in charge of work	No	
20	Painting two coats after filling the surface with synthetic enamel paint in approved shades on plastered concrete surfaces, with materials, labour complete as per specification and as per the direction of engineer in charge of work	Sqm	7
21	Providing applying two coats of wall putty to inside plasterd walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of materials, labour and scaffolding etc., complete as per specifications and as per the direction of engineer in charge of work	Sqm	168
22	Providing and applying painting in two coats with plastic emulsion paint of approved brand on ceiling surface to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour etc., complete as per specifications and as per the direction of engineer in charge of work	Sqm	18
23	Providing and applying painting in two coats with plastic emulsion paint of approved brand on walls surface to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour etc., complete as per specificationsand as per the direction of engineer in charge of work	Sqm	752
24	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil,grease,dirt and other foreign matter, including cost of materials, labour, complete as per specification and as per the direction of engineer in charge of work	Sqm	79
25	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. as per the Directions of the Engineer-in-charge of the work and as per the direction of engineer in charge of work	Sqm	879

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
		54.60	6206.0	338847.60	54.60	338847.60
19.20	916608- 916655.74		47740.0		19.20	916608- 916655.74
394.00	170208.00		432.0		394.00	170208.00
		70.80	71.0	5026.80	70.80	5026.80
		1681.64	67.0	112669.88	1681.64	112669.88
		1872.00	111.0	207792.00	1872.00	207792.00
		751.98	107.0	80461.86	751.98	80461.86
		76.83	97.0	7452.51	76.83	7452.51
852.54	1126205.34	26.95	1321.0	35600.95	879.49	1161806.29

Item no	Description of work	Unit	App.
26	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification and as per the direction of engineer in charge of work	Sqm	473
27	Vaccum de - watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator , HOM of machinery, screed vibratory, Power Floater , blade and disc etc., with all lead and lift and as per the direction of engineer in charge of work	Sqm	2384.
28	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery , including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidential charges as per drawing and as per specification. (for concrete pavement) and as per the direction of engineer in charge of work	m	250
29	Air handling units of GSS powder coated sheet metal cabinet type Double skin Recirculatory type 40-45 mm thick,Thermal break,modular construction.Air handling units shall be complete with Blower, TEFC motor,fan motor drive with Pre filters, DX coil 6 row section of copper coil with aluminium fins,Mist eleminator with access doors and accessories including, View glass, View lamp, limit switch for door (CSU - 01, 7000 CFM, 50 mm Static) (Approved Rates) and as per the direction of engineer in charge of work	No	2
30	Air handling units of GSS powder coated sheet metal cabinet type Double skin Recirculatory type 40-45 mm thick,Thermal break,modular construction.Air handling units shall be complete with Blower, TEFC motor,fan motor drive with Pre filters, DX coil 6 row section of copper coil with aluminium fins,Mist eleminator with access doors and accessories including, View glass, View lamp, limit switch for door (CSU - 02, 4200 CFM, 30 mm Static) (Approved Rates) and as per the direction of engineer in charge of work	No	1
31	Air handling units of GSS powder coated sheet metal cabinet type Double skin Recirculatory type 40-45 mm thick,Thermal break,modular construction.Air handling units shall be complete with Blower, TEFC motor,fan motor drive with Pre filters, DX coil 6 row section of copper coil with aluminium fins,Mist eleminator with access doors and accessories including, View glass,	No	
32	Air cooled out door condensing units comprising of semi -hermetic / hermetic reciprocating/scrool compressors with matching air cooled condenser provided with necessary controls. (8.5 TR for CSU's) (Approved Rates) and as per the direction of engineer In charge of work	No	
33	Air cooled out door condensing units comprising of semi -hermetic / hermetic reciprocating/scrool compressors with matching air cooled condenser provided with necessary controls. (8.5 TR for CSU's) (Approved Rates) and as per the direction of engineer in charge of work	No	
34	Supply of 1 TR Hi Wall Split Unit for Green Rooms (Approved Rates) and as per the direction of engineer in charge of work	No	
35	Copper refrigerant piping with insulation with supports (Suction Line) (Approved Rates) and as per the direction of engineer in charge of work	m	
36	Copper refrigerant piping with insulation with supports (Liquid Line) (Approved Rates) and as per the direction of engineer in charge of work	m	
37	PVC Drain Piping for CSU's (Approved Rates) and as per the direction of engineer in charge of work	m	
38	Expansion Valve & Drier Kit for CSU's (Approved Rates) and as per the direction of engineer in charge of work	No	
	Ready made Frame for Outdoor (Approved Rates) and as per the direction of engineer in	No	

Previous		Present			Total up to date	
Qnty	Amount	Qnty	Rate	Amount	Qnty	Amount
		473.00	1289.0	609697.00	473.00	609697.00
2139.00	228873.00		107.0		2139.00	228873.00
1994.60	177519.40		89.0		1994.60	177519.40
2	1422780.00		711390.0		2.00	1422780.00
1	520929.00		520929.0		1.00	520929.00
1	439300.00		439300.0		1.00	439300.00
6	1921920.00		320320.0		6.00	1921920.00
4	874720.00		218680.0		4.00	874720.00
2	169400.00		84700.0		2.00	169400.00
120	240240.00		2002.0		120.00	240240.00
120	221760.00		1848.0		120.00	221760.00
50	39250.00		785.0		50.00	39250.00
10	277200.00		27720.0		10.00	277200.00
2	5236.00		2618.0		2.00	5236.00